

INTERNATIONAL SEARCH REPORT

Interr Application No
PCT/JP2004/016356

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPG

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HOIM

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal , PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	<p>PATENT ABSTRACTS OF JAPAN vol. 017, no. 411 (E-1406), 30 July 1993 (1993-07-30) -& JP 05 082147 A (TOKYO GAS CO LTD; others: 03), 2 April 1993 (1993-04-02) the whole document & Online! Retrieved from the Internet: URL:http://dossier1.ipdl.ncipi.go.jp/AIPN/ aipn_call_transl.ipdl?N0000=7413&N0120=01& N2001=2&N3001=H05-082147></p>	1, 12
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05, 31 May 1996 (1996-05-31) -& JP 08 017455 A (FUJI ELECTRIC CO LTD), 19 January 1996 (1996-01-19) the whole document</p>	1, 12



Further documents are listed in the continuation of box C



Patent family members are listed in annex

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

4 November 2005

Date of mailing of the international search report

16/11/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-30) -& JP 10 064573 A (NIPPON TELEGR & amp; TELEPH CORP <NTT>), 6 March 1998 (1998-03-06) the whole document & 'Online! Retrieved from the Internet: URL:http://dossier1.ipdl.ncipi.go.jp/AIPN/ aipn_cal_l_transl.ipdl?N0000=7413&N0120=01& N2001=2&N3001=H10-064573></p>	1, 12
X	<p>US 6 365 291 B1 (MARGIOTT PAUL R) 2 April 2002 (2002-04-02) figure 1 paragraphs '0034!, '0036!, '0037!, '0044!</p>	1-5, 12
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 08 091804 A (TOYOTA MOTOR CORP; AISIN SEIKI CO LTD), 9 April 1996 (1996-04-09) cited in the application abstract</p>	1-12

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Information on patent family members

Intern:

Application No

PCT/JP2004/016356

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